

AMENDMENTS TO THE CLAIMS:

Applicant respectfully requests that this listing of claims replace the prior versions, and listings, of claims in the application.

1. (Currently amended) A data communication method in a communication system, comprising:

transmitting and receiving speech and/or data by means of a mobile device of the communication system and by using a predetermined transmission resource,

determining the location of the mobile device of the communication system,

in response to the transmitting of speech and/or data by the mobile device using the predetermined resource, transmitting, with the speech [[and/]]or data, information about the location of the mobile device to a ~~predetermined~~predefined group of users currently connected to a network element of the communication system, and by using the predetermined transmission resource, the mobile device including information regarding a method with which the location was determined with the location information

receiving a response acknowledgement about the location of at least one of the users of the predefined group.

2. (Original) The method of claim 1, wherein the determining step further comprises: determining the location in the mobile device.

3. (Original) The method of claim 1, wherein the determining step further comprises: determining the location using a satellite positioning system.

4. (Original) The method of claim 1, further comprising: establishing a packet switched connection between the mobile device and a network element of the communication system as the predetermined transmission resource.

5. (Original) The method of claim 1, further comprising: transmitting information about the location in response to a command given by the user of the device.
6. (Original) The method of claim 1, further comprising:
detecting a change in the location of the mobile device;
transmitting information about the location on the basis of the detection.
7. (Previously presented) The method of claim 1, wherein the mobile device is participating in a group call.
8. (Currently amended) The method of claim 7, wherein the ~~predetermined~~predefined group of users is participating in a group call.
9. (Currently amended) The method of claim 1, wherein at least one user of the ~~predetermined~~predefined group of users receives the information about the location using a mobile device.
10. (Currently amended) The method of claim 1, wherein at least one user of the ~~predetermined~~predefined group of users receives the information about the location by using a personal computer.
11. (Original) The method of claim 4, wherein at least one packet comprising information about the location replaces at least one speech or data packet.
12. (Original) The method of claim 4, wherein at least one packet comprising information about the location is transmitted among speech or data packets.
13. (Original) The method of claim 4, wherein each packet comprises information about whether it contains speech, data or information about the location of the mobile device.

14. (Original) The method of claim 1, wherein the information about the location of the mobile device is sent as a separate message.

15. (Original) The method of claim 7, further comprising:
detecting a pressing of a predetermined key of the mobile device,
activating speech transmission on the basis of the detection.

16. (Canceled)

17. (Original) The method of claim 15, further comprising:
transmitting information about the location of the mobile device in a predefined part of the transmission.

18. (Original) The method of claim 1, further comprising:
receiving a location query from the system, and
determining and transmitting information about the location of the mobile device in response to the query.

19. (Original) The method of claim 7, wherein
each device participating in the group call transmits information about its location to a predetermined participant in the group call, and
the predetermined participant in the group call transmits the information about the location of each device to all participants.

20. (Original) The method of claim 1, wherein the time when location was determined is included in the location information.

21. (Canceled)

22. (Currently amended) The method of claim 1, further comprising:

transmitting location information to ~~[[a]]the network server~~element ~~connected to the communication system~~, and

storing location information in the network ~~server~~element.

23. (Original) The method of claim 1, wherein the location information is sent without intervention by the user of the device.

24. (Original) The method of claim 1, wherein the information about the location of the mobile device is used as input information for an application running in a mobile device or a computer.

25. (Currently amended) A data communication method in a communication system, comprising:

transmitting and receiving speech and/or data by means of a mobile device of the communication system and by using a predetermined transmission resource,

determining the location of the mobile device of the communication system, and

in response to the transmitting of speech and/or data by the mobile device ~~using the predetermined resource~~, transmitting, with the speech ~~[[and/]]~~or data, information about the location of the mobile device to a ~~predetermined~~predefined group of users currently connected to a network element of the communication system, ~~by using the predetermined transmission resource~~

taking predefined privacy levels assigned to ~~predetermined~~predefined groups or to users belonging to ~~predetermined~~predefined groups into account in the transmission of the information, and

receiving a response acknowledgement about the location of at least one of the users of the predefined group.

26. (Original) The method of claim 1, wherein transmission of location related information is triggered by an external event detected by a sensor of the mobile device.

27. (Original) The method of claim 1, wherein transmission of location related information is triggered by a voice command or a sound.

28. (Currently amended) A mobile device, comprising

location determining means to determine for determining the location of the mobile device,

~~means to include a method with which the location was determined in information about the location of the mobile device, and~~

a transmitter for transmitting, with transmitting means connected to the determining means to transmit speech [[and/]] or data, by using a predetermined transmission resource and to transmit the information about the location of the mobile device in response to transmitting speech [[and/]] or data by the mobile device using the same predetermined transmission resource to a predefined group of users currently connected to a network element of a communication system, and

a receiver for receiving a response acknowledgement about the location of at least one of the users of the predefined group.

29. (Currently amended) The mobile device of claim 28, further comprising means to establish a packet switched connection between the mobile device and ~~[[a]] the network element of a communication system~~ as the predetermined transmission resource.

30. (Currently amended) The mobile device of claim 28, ~~further comprising means to determine the location of the mobile device using~~ wherein the location determining means includes a satellite positioning system.

31. (Currently amended) The mobile device of claim 28, ~~further comprising means to determine the location of the mobile device using~~wherein the location determining means includes an inertia navigation arrangement.

32. (Original) The mobile device of claim 28, further comprising
a keyboard with at least one key,
means to detect a pressing of a predetermined key of the keyboard,
means to activate speech transmission on the basis of the detection.

33. (Canceled)

34. (Currently amended) The mobile device of claim 28, wherein the ~~transmitting means are configured to transmit~~transmitter transmits information about the location of the mobile device in a predefined part of the transmission.

35. (Currently amended) A telecommunication system, ~~comprising mobile devices and at least one network element, the system comprising~~

at least a first and second mobile device,

at least one network element,

means to determine the location of ~~[[a]]~~the first mobile device and for the first mobile device to include a method with which the location of the first mobile device ~~[[was]]~~is determined in information about the location of the mobile device,

wherein the first mobile device includes transmitting means for transmitting in the mobile device to transmit speech and /or data to the network element by using a predetermined transmission resource, and to transmit the information about the location of the first mobile device in response to the transmitting of the speech or data by the first mobile device~~by using the same predetermined transmission resource in response to transmitting speech and/or data to a predefined group of users, including the second mobile device, and currently connected to the network element, and receiving means for receiving a~~

response acknowledgement including the location of at least one of the users of the predefined group.

36. (Currently amended) The system of claim 35, further comprising a second network element configured to act as a group management server and at least two mobile devices configured to participate in a group call.

37. (Currently amended) The system of claim 35, wherein the ~~system comprises~~ at least first and second mobile devices comprising a keyboard with at least one key, means to detect a pressing of a predetermined key of the keyboard, and means to signal a transmission request to the network element on the basis of the detection, wherein the network element is configured to receive the request and allocate transmission turns between the mobile devices on the basis of the requests received from the mobile ~~stations~~devices.

38. (Currently amended) A telecommunication system, comprising
at least first and second mobile devices, [[and]]
at least one network element, ~~the system comprising~~
means to determine the location of a mobile device,
transmitting means in the first mobile device to transmit for transmitting, with
speech [[and/]]or data ~~to the network element by using a predetermined transmission resource, and to transmit~~ information about the location of the first mobile device to a
predefined group of users currently connected to a network element by using the same
~~predetermined transmission resource~~ in response to transmitting speech [[and/]]or data by
the first mobile device, wherein predefined privacy levels assigned to
~~predetermined predefined~~ groups or to users belonging to ~~predetermined predefined~~ groups
are taken into account in the transmission of information about the location of the first
mobile device, and receiving means for receiving a response acknowledgement including
information about the location of at least one of the users of the predefined group.

wherein the at least one ~~[[a]]~~ network ~~server~~element is configured to receive information about the location of the first mobile device, and
a network server configured to store the information.

39. (Currently amended) The system of claim 35, ~~further comprising:~~

~~[[a]]~~wherein the network ~~server~~element is configured to transmit location information relating to ~~[[a]]~~the first mobile device to a group of other devices.

40. (Original) The system of claim 35, wherein

the time when the location was determined and the method with which the location was determined are included in the location information.

41. (Previously presented) A telecommunication system, comprising mobile devices and at least one network element, the system comprising:

means to determine the location of a mobile device,
transmitting means in the mobile device to transmit speech and/or data to the network element by using a predetermined transmission resource, and to transmit information about the location of the mobile device by using the same predetermined transmission resources, wherein predefined privacy levels assigned to predetermined groups or to users belonging to predetermined groups are taken into account in the transmission of information about the location of the mobile device,

a network server configured to receive information about the location of the mobile device,

a network server configured to store the information, and

a network server configured

to receive a location information request,

to send location information updated within a given time limit as a response to the request,

and to request the updating of location information not updated within the given time limit.

42. (Canceled)

43. (Currently amended) A computer program distribution medium readable by a computer and encoding a computer program of instructions for executing a computer process for data communication in a mobile device, the process comprising:

providing transmission and reception of speech and/or data by using a predetermined transmission resource,
determining the location of the mobile device of ~~[[the]]~~a communication system,
including information regarding a method with which the location was determined in information about the location of the mobile device in the mobile device, and

providing, with the speech or data, transmission of the information about the location of the mobile device to a ~~predetermined~~predefined group of users currently connected to a network element of the communication system~~by using the predetermined transmission resource~~ in response to transmitting speech ~~[[and/]]~~or data by the mobile device, and

receiving a response acknowledgement about the location of at least one of the users of the predefined group.

44. (Currently amended) The computer program distribution medium of claim 43, wherein the distribution medium ~~comprising~~comprises a computer readable medium, a program storage medium, a record medium, a computer readable memory, a computer readable software distribution package, ~~a computer readable signal, a computer readable telecommunications signal, and~~or a computer readable compressed software package.

45. (Currently amended) A computer program distribution medium readable by a computer and encoding a computer program of instructions for executing a computer process for data communication in a mobile device, the process comprising:

providing transmission and reception of speech and/or data by using a predetermined transmission resource,

determining the location of the mobile device of ~~[[the]]~~a communication system, and

providing, with the speech or data, transmission of information about the location of the mobile device to a predetermined group of users currently connected to a network element of the communication system by using the predetermined transmission resource in response to transmitting speech ~~[[and/]]~~or data by the mobile device taking predefined privacy levels assigned to ~~predetermined~~predefined groups or to users belonging to ~~predetermined~~predefined groups into account in the transmission of the information, and

receiving a response acknowledgement about the location of at least one of the users of the predefined group.

46. (Currently amended) A telecommunication system, ~~comprising mobile devices and at least one network element, the system~~ comprising:

means to determine the location of a mobile device and to include a method with which the location was determined in location information,

a first mobile device including transmitting means for transmitting, with in the mobile device to transmit speech [[and/]]or data to the network element by using a predetermined transmission resource, and to transmit information about the location of the mobile device by using the same predetermined transmission resource in response to transmitting speech ~~[[and/]]~~or data by the first mobile device to a predefined group of users, including at least a second mobile device, currently connected to a network element of the telecommunication system, [[and]]

at least one network element including transmitting means for transmitting in a network element to transmit, with the speech or data, information about the location of the

mobile device to a predetermined group of users currently connected to the network element by using ~~[[the]]~~a predetermined transmission resource taking predefined privacy levels assigned to ~~predetermined~~predefined groups or to users belonging to ~~predetermined~~predefined groups into account in the transmission of the information, wherein the first mobile device and the at least one network element include receiving means for receiving a response acknowledgement including the location of at least one of the users of the predefined group.

47. (Canceled)

48. (New) The method of claim 1, further comprising updating and maintaining the predefined group of users by a presence server.

49. (New) The method of claim 1, further comprising storing the location information and the identities of the users of the predefined group by individual network elements.

50. (New) The method of claim 1, further comprising showing the response acknowledgement at a display of the mobile device.

51. (New) The method of claim 1, wherein the response acknowledgement is sent from the network element including the location information of the predefined group of users which is updated within a predetermined time interval.

52. (New) The method of claim 1, wherein the response acknowledgement is sent by the predefined group of users including the location information of the predefined group of users.

53. (New) The method of claim 1, wherein the response acknowledgement includes location information for at least one device controlled by a user of the predefined group.

54. (New) The method of claim 1, wherein the information about the location of the mobile device is transmitted by a dedicated protocol between the mobile device and the network element or between the mobile device and mobile devices of the predetermined group of users.

55. (New) The method of claim 54, wherein the dedicated protocol and a connection between the mobile device and the network element or between the mobile device and mobile devices of the predetermined group of users is encrypted.

56. (New) The method of claim 1, wherein the network element requests authentication of a terminal before sharing information from the network element.